

Application No.: 10/004706

Case No.: 56949US002

Amendments to the Claims:

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (currently amended) A method of transferring a transfer element of a donor sheet to a receptor, the method comprising:
forming an organic charge transfer layer on a receptor substrate;
roughening a surface of the charge transfer layer using [[a]] an RF plasma treatment, but without substantially chemically modifying the surface of the charge transfer layer other than partially oxidizing the surface; and
selectively thermally transferring a transfer element of a donor sheet to the surface of the charge transfer layer after roughening the surface, the transfer element comprising at least one light emitting layer.
2. (canceled)
3. (original) The method of claim 1, wherein the organic charge transfer layer is a polymeric charge transfer layer.
4. (previously presented) The method of claim 1, wherein the charge transfer layer comprises a homopolymer or copolymer of a polythiophene.
5. (original) The method of claim 1, wherein the surface of the charge transfer layer is at least partially oxidized, but not otherwise substantially chemically modified, by the plasma treatment.
6. (original) The method of claim 1, wherein roughening the surface comprises roughening the surface using a plasma comprising a noble gas.
7. (original) The method of claim 6, wherein the noble gas comprises argon.

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8. (original) The method of claim 1, wherein roughening the surface comprises roughening the surface using a plasma comprising O₂.

9. (original) The method of claim 1, wherein roughening the surface comprises roughening the surface using a plasma comprising N₂.

10. (original) The method of claim 1, wherein roughening the surface comprises roughening the surface for a period of no more than 30 seconds.

11. (original) The method of claim 1, wherein roughening the surface comprises roughening the surface with a plasma gas at a pressure of no more than 750 mTorr.

12. (currently amended) A method of making an electroluminescent device, the method comprising:

- forming an electrode on a receptor substrate
- forming an organic charge transfer layer over the electrode;
- roughening a surface of the charge transfer layer using [[a]] an RF plasma treatment, but without substantially chemically modifying the surface of the charge transfer layer other than partially oxidizing the surface; and
- selectively thermally transferring a transfer element of a donor sheet to the surface of the charge transfer layer after roughening the surface, the transfer element comprising at least one light emitting layer.

13. (original) The method of claim 12, wherein the electroluminescent device has no substantial degradation in brightness as compared to an electroluminescent device made in a same manner except no roughening of the surface using a plasma treatment.

14. (original) The method of claim 12, wherein the electroluminescent device has no substantial degradation in operating voltage as compared to an electroluminescent device made in a same manner except no roughening of the surface using a plasma treatment.

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15. (original) The method of claim 12, wherein the electroluminescent device has no substantial degradation in efficiency as compared to an electroluminescent device made in a same manner except no roughening of the surface using a plasma treatment.

16. (currently amended) A method of transferring a transfer element of a donor sheet to a receptor, the method comprising:

forming an organic charge transfer layer on a receptor substrate;
roughening a surface of the charge transfer layer using [[a]] an RF plasma treatment, but without substantially chemically modifying the surface of the charge transfer layer other than partially oxidizing the surface; and

selectively thermally transferring a transfer element of a donor sheet to the surface of the charge transfer layer after roughening the surface, the transfer element comprising an organic surface that contacts the charge transfer layer of the receptor substrate.

17. (currently amended) A method of transferring a transfer element of a donor sheet to a receptor, the method comprising:

forming an organic charge transfer layer on a receptor substrate;
forming a transfer element on a donor sheet, wherein an exposed surface of the transfer element is organic;
roughening, using [[a]] an RF plasma treatment, at least one of (i) a surface of the charge transfer layer and (ii) the exposed surface of the transfer element, but without substantially chemically modifying the plasma-treated surface other than partially oxidizing the surface; and
selectively thermally transferring the transfer element of the donor sheet to the surface of the charge transfer layer after roughening.

18. (canceled)

19. (previously presented) The method of claim 17, wherein the charge transfer layer is a polymeric charge transfer layer.

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20. (original) The method of claim 17, wherein the surface of the charge transfer layer is at least partially oxidized, but not otherwise substantially chemically modified, by the plasma treatment.

21. (original) The method of claim 17, wherein selectively thermally transferring the transfer element to the substrate occurs without exposure to air after the roughening.

22. (original) The method of claim 17, wherein the transfer element comprises an electrically active layer.